


## New England Biolabs Certificate of Analysis

**Product Name:** *Taq PCR Kit*  
**Catalog Number:** *E5000S*  
**Lot Number:** *10013531*  
**Expiration Date:** *04/2020*  
**Storage Temperature:** *-20°C*  
**Specification Version:** *PS-E5000S v2.0*

| Taq PCR Kit Component List |  |            |                      |
|----------------------------|--|------------|----------------------|
| NEB Part Number            | Component Description                            | Lot Number | Individual QC Result |
| N0550AVIAL                 | Quick-Load® Purple 1 kb Plus DNA Ladder          | 10010115   | Pass                 |
| N0447SVIAL                 | Deoxynucleotide (dNTP) Solution Mix              | 10007360   | Pass                 |
| M0273AVIAL                 | Taq DNA Polymerase with Standard Taq Buffer      | 10009932   | Pass                 |
| B9021SVIAL                 | Magnesium Chloride (MgCl <sub>2</sub> ) Solution | 0031705    | Pass                 |
| B9015SVIAL                 | Standard Taq (Mg-free) Reaction Buffer Pack      | 0021703    | Pass                 |
| B9014SVIAL                 | Standard Taq Reaction Buffer Pack                | 0021603    | Pass                 |

| Assay Name/Specification  | Lot # 10013531 |
|---|----------------|
| <b>PCR Amplification (5.0 kb Lambda DNA)</b><br>A 50 µl reaction in Standard Taq Reaction Buffer in the presence of 200 µM dNTPs and 0.2 µM primers containing 5 ng Lambda DNA with 1.25 units of Taq DNA Polymerase for 25 cycles of PCR amplification results in the expected 5.0 kb product. | Pass           |
| <b>* Individual Product Component Note</b><br>Standard Quality Control Tests are performed for each component included in Taq PCR Kit and meet the designated specifications.   | Pass           |

This product has been tested and shown to be in compliance with all specifications.



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Lynne Apone  
Production Scientist  
10 Jul 2018



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Michael Tonello  
Packaging Quality Control Inspector  
10 Jul 2018